PCI-7260

8-CH High-Power Relay Outputs & 8-CH Isolated Digital Inputs Card



Features

- **Supports a 32-Bit 3.3 V or 5 V PCI bus**
- **8-CH high power relay outputs**
- **5 A at 250 VAC**
- **5 A at 30 VDC**
- **8-CH isolated digital inputs**
- **8-CH relay status outputs**
- **1-CH emergency shutdown input**
- **Pluggable connector for high current input**
- **Onboard LED indicators for relay status**
- **Initial and safety state setting by DIP switches**
- **Interrupt generated from**
  - **COS (Change-of-State) of DI**
  - **CH0/CH1 rising edge**
- **Built-in watchdog timer**

Supported Operating System

- Windows 7/8 x64/x86, Linux

Driver and SDK

- LabVIEW, MATLAB, C/C++, Visual Basic, Visual Studio.NET

Software Utility

- AD-Logger

Specifications

Relay Output

- Number of channels: 8
- Relay type: Non-latching SPST-NO + SPST-NC (for output indicator)
- Contact rating
  - AC: 250 V @ 5 A
  - DC: 30 V @ 5 A
- Insulation resistance: 1000 MΩ min. (at 500 VDC)
- Breakdown voltage: 2000 VAC, 50/60 Hz for 1 minute
- Contact resistance: 30 mΩ max
- Operate time: 10 ms max.
- Release time: 10 ms max.
- LED indicators: onboard LEDs for relay status
- Expected relay life
  $> 10^5$ operations @ 5 A, 250 VAC/30 VDC
- Data transfer: programmed I/O

Isolated Digital Input

- Number of channels: 8
- Input current
  - Rated current: 10 mA
  - Max current: 50 mA, for isolated input.
- Input voltage: Up to 24 VDC
  - Input high voltage: 10-24 V
  - Input low voltage: 0-2 V
- Input resistance: 4.7 KΩ @ 0.5 W
- Input mode: AC-filter/ Non-AC-filter
- Isolation voltage: 2,500 VRMS channel-to-system
- Interrupt sources
  - Change-of-state (COS)
  - CH0/CH1 rising edge
- Data transfer: programmed I/O

Isolation +5 V Power Supply

- Output Voltage: +5 V
- Output Current: 170 mA max. (@ 40°C)

Relay Status Output

- Number of channels: 8
- Driving capacity: 15 mA

General Specifications

- I/O connector
  - 18-pin pluggable terminal block connector
  - 20-pin ribbon male x2
- Operating temperature: 0°C to 60°C (32°F to 140°F)
- Storage temperature: -20°C to 70°C (-4°F to 158°F)
- Relative humidity: 35% to 85%, non-condensing
- Power requirements

+5 V
510 mA typical
990 mA typical (when all relays are activated simultaneously)

- Dimensions (not including connectors)
  175 mm x 107 mm (6.82" x 4.17")

Certificate

- EMC/EMI: CE, FCC Class A
- Safety: EN61010: 2001

Ordering Information

- **PCI-7260**
  8-CH High-Power Relay Outputs & 8-CH Isolated Digital Inputs Card
- **ACL-10337 (for JP2/JP3)**
  Two 20-Pin Header to 37-Pin D-Sub PC Back Panel

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